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United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS

APRIL, 1930

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A copy of any of the general publications listed herein, except those otherwise noted, may be obtained free upon application to the United States Department of Agriculture, Washington, D. C., as long as the department's supply lasts. Free distribution of periodicals is restricted.

After the department's supply is exhausted, publications may still be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., but by purchase only, and at the prices stated herein.

☞Send all remittances to the Superintendent of Documents direct. His office is not a part of the Department of Agriculture.

GENERAL PUBLICATIONS

FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

Onion culture. W. R. Beattie, Bureau of Plant Industry. 28 p., figs. 20. (Farmers' Bulletin 354 F., Revised.) Price, 5¢.

Flytraps and their operation. F. C. Bishopp, Bureau of Entomology. 14 p., figs. 6. (Farmers' Bulletin 734 F., Revised.) Price, 5¢.

Tuberculosis of hogs. John R. Mohler and Henry J. Washburn, Bureau of Animal Industry. 14 p., figs. 3. (Farmers' Bulletin 781 F., Revised.) Price, 5¢.

Making butter on the farm. William White, Bureau of Dairy Industry. 22 p., figs. 18. (Farmers' Bulletin 876 F., Revised.) Price, 5¢.

Measuring and marketing farm timber. Wilbur R. Mattoon and William B. Barrows, Forest Service. 57 p., figs. 23. (Farmers' Bulletin 1210 F., Revised.) Price, 10¢.

The production of peas for canning. Chester J. Hunn, Bureau of Plant Industry. 20 p., figs. 7. (Farmers' Bulletin 1255 F., Revised.) Price, 5¢.

Weevils in beans and peas. E. A. Back, Bureau of Entomology. 30 p., figs. 29. (Farmers' Bulletin 1275 F., Revised.) Price, 10¢.

Mouse control in field and orchard. James Silver, Bureau of Biological Survey. 14 p., figs. 13. (Farmers' Bulletin 1397 F., Revised.) Price, 5¢.

Muskmelons. W. R. Beattie, Bureau of Plant Industry. 38 p., figs. 38. (Farmers' Bulletin 1468 F., Revised.) Price, 10¢.

Longleaf pine primer. W. R. Mattoon, Forest Service. 34 p., figs. 27. (Farmers' Bulletin 1486 F., Revised.) Price, 10¢.

Growing cucumbers for pickling. J. H. Beattie, Bureau of Plant Industry. 18 p., figs. 9. (Farmers' Bullet n 1620 F.) Price, 5¢.

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The Mexican bean beetle in the East and its control. Neale F. Howard, Bureau of Entomology. 14 p., figs. 10. (Farmers' Bulletin 1624 F.) Price, 5¢.

Tick fever. John R. Mohler, Bureau of Animal Industry. 30 p., figs. 5. (Farmers' Bulletin 1625 F.) Price, 5¢.

Feeding dairy cows. T. E. Woodward and A. B. Nystrom, Bureau of Dairy Industry. 18 p., figs. 2. (Farmers' Bulletin 1626 F.) Price, 5¢.

LEAFLETS

This series carries popular material of the same general character as that carried by the Farmers' Bulletins, except that the leaflets are confined to specific practical directions, recommendations, remedies, and methods. They are brief and concise, written in informal, popular style, and are limited to eight pages.

Ice creams frozen without stirring. Louise Stanley and Jessie Alice Cline, Bureau of Home Economics. 8 p. Illus. (Leaflet 49 L., Revised.) Price, 5¢.

How to make a cat trap. James Silver and Frank N. Jarvis, Bureau of Biological Survey. 4 p., fig. 1. (Leaflet 50 L., Revised.) Price, 5¢.

Preventing cracks in new wood floors. L. V. Teesdale, Forest Service. 5 p., figs. 3. (Leaflet 56 L.) Price, 5¢.

Pulpwood crops in the Northeast. M. Westveld, Forest Service. 8 p., figs. 5. (Leaflet 57 L.) Price, 5¢.

TECHNICAL BULLETINS

The Technical Bulletins contain the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited, as they are intended primarily for scientific workers and subject-matter specialists.

Testing phylloxera-resistant grape stocks in the vinifera regions of the United States. George H. Husmann, Bureau of Plant Industry. 54 p., figs. 2, pls. 10. (Technical Bulletin 146 T.) Price, 20¢.

Tests of various aliphatic compounds as fumigants. R. C. Roark, Bureau of Chemistry and Soils, and R. T. Cotton, Bureau of Entomology. 52 p. (Technical Bulletin 162 T.) Price, 10¢.

Timber growing and logging practice in the Northeast. Samuel T. Dana, formerly Director, Northeastern Forest Experiment Station, Forest Service. Introduction by William B. Greeley, formerly Forester, Forest Service. 112 p., figs. 26, pls. 21. (Technical Bulletin 166 T.) Price, 40¢.

Breeding tobacco for resistance to Thielavia root rot. James Johnson, Agent, University of Wisconsin. 20 p., figs. 11. (Technical Bulletin 175 T.) Price, 10¢.

Commercial irrigation companies. Wells A. Hutchins, Bureau of Public Roads. 40 p. (Technical Bulletin 177 T.) Price. 10¢.

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

Within the breed the big dairy cows excel. J. C. McDowell, Bureau of Dairy Industry. 4 p. (Circular 114 C.) Price, 5¢.

Calcium arsenate dusting as a cause of aphid infestation. J. W. Folsom and F. F. Bondy, Bureau of Entomology. 12 p. (Circular 116 C.) Price, 5¢.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

Black currant spreads white-pine blister rust. Samuel B. Detwiler, Bureau of Plant Industry. 8 p., figs. 4. (Miscellaneous Publication 27 MP., Revised.) Price, 5¢.

National wild-life reservations. Compiled by Division of Game and Bird Conservation, Bureau of Biological Survey. 10 p., figs. 2. (Miscellaneous Publication 51 MP., Revised.) Price, 5¢.

SOIL SURVEYS

These reports consist of two parts: (1) A soil map in colors showing the extent and distribution of the different soils in the area covered by the survey; and (2) a printed report containing brief descriptions of the area, its climate and agriculture, and detailed descriptions of the soils. They are of interest and value primarily to residents of the area surveyed and to soil specialists. All requests for Soil Surveys are referred to the Bureau of Chemistry and Soils which controls their distribution.

Iowa, Clayton County. (1925, No. 20.) 15¢.

Iowa, Kossuth County. (1925, No. 19.) 30¢.

Minnesota, Lake of the Woods County. (1926, No. 8.) 20¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. *Free distribution* is limited to persons in the employ of the department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Information, instructions, rulings, etc., for March, 1930, concerning the work of the Bureau of Animal Industry. (S. R. A.—B. A. I. 275.) Pp. 19–28. Price, 5¢.

Japanese beetle quarantine. Quarantine No. 48. Revision of quarantine and regulations. 12 p. (P'QCA.—Q. 48.) Effective March 1, 1930.

Notices of judgment under the food and drugs act. N. J., F. D. 16676–16700; pp. 441–452. N. J., F. D. 16701–16725; pp. 453–464. N. J., F. D. 16726–16750; pp. 465–475. N. J., F. D. 16751–16775; pp. 441–452 (?).

OTHER PUBLICATIONS

Laws and regulations relating to game, land fur-bearing animals, and birds in Alaska. 30 p., figs. 3. (Alaska G. C. Cir. 7.) Price, 5¢.

Plant material introduced by the Office of Foreign Plant Introduction, Bureau of Plant Industry, October 1 to December 31, 1928 (Nos. 77596 to 78508). 48 p. Price, 10¢.

Report of the Virgin Islands Agricultural Experiment Station, 1929. J. B. Thompson and others. 19 p., figs. 8. Price, 10¢.

Yearbook of Agriculture, 1930. 1080 p., figs. 219, graphs 35. Price $1.50.

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 14, No. 4. April 1, 1930. Price, 5¢ a copy; 25¢ a year, domestic; 40¢ a year, foreign.[1]

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price, daily, except Sundays and holidays, 25¢ a month, $2.50 a year; daily, including Sundays and holidays, 30¢ a month, $3 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscriptions, $6.65 a year. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations throughout the United States; 20¢ a month, $2 a year.[1]

Experiment station record. Vol. 62, No. 5, April, 1930; No. 6, April abstract number. Single numbers for sale only. Price, 10¢.[1]

A technical review of the world's scientific literature pertaining to agriculture. Two volumes a year, of 10 numbers each; 75¢ a volume, domestic; $1.25 a volume, foreign.

Extension service review. Vol. 1, No. 1. May, 1930. Illus. Price, 5¢ a copy; 50¢ a year, domestic; 75¢ a year, foreign.[1]

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

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[1] Payable to the Superintendent of Documents, Government Printtig Office, Washington, D. C.

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Journal of agricultural research. Price, 20¢ a copy; $4 a year, domestic; $5.25 a year, foreign.[1] Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work. Separates of articles are distributed free to those desiring them, as long as the limited supply lasts.

——— Vol. 40, No. 6; Illus. March 15, 1930.

CONTENTS:

A study of the cotton flea hopper, *Psallus seriatus* Reut., with especial reference to its effect on cotton plant tissues. (K–206.) Reginald H. Painter.
Two new species of nodular worms (Oesophagostomum) parasitic in the intestine of domestic swine. (A–137.) Benjamin Schwartz and Joseph E. Alicata.
Selection characters as correlated with percentage of sucrose, weight, and sucrose content of sugar beets. (G–703.) Dean A. Pack.
A mosaic of wheat transmissible to all cereal species in the tribe Hordeae. (G–719) H. H. McKinney.
Repetitional diplanetism in the genus Phytophthora. (G–720) Charles Drechsler.
Effects of defoliation and root pruning on the chemical composition of sweet-corn kernels. (G–721) C. W. Culpepper and C. A. Magoon.

——— Vol. 40, No. 7. Illus. April 1, 1930.

CONTENTS:

A cytological study of heterothallism in *Puccinia graminis*. (G–717) Ruth F. Allen.
The anatomy of *Euphorbia intisy*. (G–715) Charles F. Swingle.
Rôle of chlorine in nutrition and growth of the tobacco plant and its effect on the quality of the cured leaf. (G–722) W. W. Garner, J. E. McMurtrey, jr., J. D. Bowling, and E. G. Moss.
The toxic constituent of rayless goldenrod. (A–136) James Fitton Couch.
Methods used in testing materials as repellents against the Japanese beetle. (K–208) F. W. Metzger.
The properties of arachin and conarachin and the proportionate occurrence of these proteins in the peanut. (E–42) D. Breese Jones and Millard J. Horn.

——— Vol. 40, No. 8. Illus. April 15, 1930.

CONTENTS:

Nuclear divisions in the pollen mother cells of Triticum, Aegilops, and Secale and their hybrids. (G–727) A. E. Longley and W. J. Sando.
Inheritance of Fusarium resistance in cabbage. (G–704) J. C. Walker.
Effect of the apple strain of the crown-gall organism on root production. (G–726) E. A. Siegler.
Influence of Bordeaux mixture on the efficiency of lubricating-oil emulsions in the control of San Jose scale. (K–207) B. A. Porter and R. F. Sazama.
Studies of vitamin C in fresh and canned tomatoes. (Wis.–49) Bertha Clow and Abby L. Marlatt.

Monthly weather review. Vol. 57. 1929. Index. Price, 5¢ a copy; $1.50 a year, domestic; $2.25 a year, foreign.[1] Not for general distribution.

Contains (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretive summary, and (3) climatological tables.

The official record. Vol. 9, Nos. 14–17. April 3, 10, 17, 24, 1930. Price, 5¢ a copy; 50¢ a year, domestic; $1.10 a year, foreign.[1]

Contains official orders and miscellaneous information concerning the department's activities and such other matter as should be brought to employees' attention.

Public roads. Price, 10¢ a copy; $1 a year, domestic; $1.50 a year, foreign.[1]

——— Vol. 11, No. 1. March, 1930. Illus.

CONTENTS:

Computation of stresses in bridge slabs due to wheel loads.

——— Vol. 11, No. 2. April, 1930.

CONTENTS:

Drinking fountains along Oregon highways.
Flow of flood water over railway and highway embankment.
Plans for international road congress announced.
Motor vehicle registrations and revenue and gasoline taxes in 1929.
Soil sampling with a compressed air unit.

Weekly weather and crop bulletin. Nos. 13–16. April 1, 8, 15, 22, 1930. Price, 50¢ a year, domestic; $1 a year, foreign.[1]

Gives detailed weather conditions of preceding weeks and their effect on development of crops and farm operations. Limited edition.

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[1] Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

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